

Bradley A. Lerch

PUBLICATIONS

Journal

2004

1. C.J. Lissenden, J.F. Colaiuta and B.A. Lerch: "Hardening Behavior of Three Metallic Alloys Under Combined Stresses at Elevated Temperature," *Acta Mechanica*, Vol. 169, 2004, pp. 53-77.

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2. K. Miyoshi, B.A. Lerch and S.L. Draper: Fretting wear of Ti-48Al-2Cr-2Nb, *Tribology International*, vol. 36, 2003, pp. 145-153. (*Also guest editor for this issue*)
3. J.J. Lewandowski, P. Wesseling, N.S. Prabhu, J. Larose and B.A. Lerch: "Strength Differential Measurements in In 718: Effects of Superimposed Pressure," *Metall. Trans.*, vol. 34A, 2003, pp. 1736-1739.
4. B. Lerch, S. Draper, M. Pereira and W. Zhuang: "Durability Assessment of Various Gamma TiAl Alloys," Gamma Titanium Aluminides 2003, eds. Y.-W. Kim, H. Clemens and A.H. Rosenberger, TMS, 2003, pp. 477-483.
5. S.L. Draper, G. Das, I. Locci, J.D. Whittenberger, B.A. Lerch and H. Kestler: "Microstructure and Mechanical Properties of Extruded Gamma Met PX," Gamma Titanium Aluminides 2003, eds. Y.-W. Kim, H. Clemens and A.H. Rosenberger, TMS, 2003, pp. 207-212.

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8. S.L. Draper, B.A. Lerch, J.M. Pereira, M. Nathal, M.Y. Nazmy, M. Staubli, and D.R. Clemens: "Effect of Impact Damage on the Fatigue Response of TiAl Alloy – ABB-2," Structural Intermetallics 2001, eds., K.J. Hemker, D.M. Dimiduk, H. Clemens, R. Darolia, H. Inui, J.M. Larsen, V.K. Sikka, M. Thomas and J.D. Whittenberger, TMS, 2001, pp. 295-304. (*Best Poster Award*)
9. S.L. Draper, B.A. Lerch, J.M. Pereira, M.V. Nathal, C.M. Austin and O. Erdmann: "The Effect of Ballistic Impacts on the High-Cycle Fatigue Properties of Ti-48Al-2Nb-2Cr (Atomic Percent)," *Metall. Trans.*, vol. 32A, 2001, pp. 2743-2785.

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12. C.J. Lissenden, M.A. Walker and B.A. Lerch: "Axial Torsional Load Effects of Haynes 188 at 650 C," Multiaxial Fatigue and Deformation: Testing and Prediction, ASTM STP 1387, eds. S. Kalluri and P.J. Bonacuse, ASTM, West Conshohocken, PA, 2000, pp. 99-125.

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18. S. Subramanian, B.A. Lerch, M.G. Castelli and D. Allen: "Effect of Fiber Volume Fraction on Fully-Reversed Isothermal Fatigue Behavior of Unidirectional SCS6-Ti-15-3 Composites," Composites and Functionally Graded Materials, MD-Vol. 80, eds. T.S. Srivatsan, A. Zavalianos, K.I. Jacob, N. Katsume, W. Jones, K. Ramani, S. Sitaraman and S. Yang, ASME, 1997, pp. 131-139.

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